

# P10 series

Scara Robot

## Model P10-702S / P10-703S

Operating range Arm length 700mm Joint#3 stroke 200/300mm

Payload Rated 5kg/Maximum 10kg

Standard cycle time 0.49 sec



Cycle time based on round-trip arch motion (300mm horizontal, 25mm vertical) with 2kg payload (path coordinates optimized for maximum speed)

Repeatability  $\pm 0.025\text{mm}$   $\pm 0.01\text{mm}$   $\pm 0.01^\circ$   
 Joint #1,#2 Joint #3 Joint #4

### Parameters of each axis

Joint Content	#1	#2	#3	#4
MAX Operating Speed	9800mm/s	1098mm/s	1580°/s	
MAX Motion Range	$\pm 132^\circ$	$\pm 150^\circ$	200mm 300mm	$\pm 360^\circ$
Motor Power Consumption	750W	750W	400W	400W
Joint#3 down force			200N	
Weight	31kg (cables not included)			

Joint #4 allowable moment of inertia, rate  $0.02\text{kg}\cdot\text{m}^2$ , maximum  $0.3\text{kg}\cdot\text{m}^2$

### Electrical parameters

Origin Return	None	Need Origin Return
Installed wire for customer	26 Pin (D-Sub Connector)	
Installed pneumatic tube for customer use	$\phi 4\text{mm} \times 2$ , $\phi 6\text{mm} \times 2$	
Visual Interface	M12*2 Gigabit network interface	
Installation Environment	Standard/Clean (Customized)	

### Outer Dimensions and Motion Range

